

A complete listing of all claims in this application is set forth below.

In the Claims

Please cancel claims 21 and 39.

Please add new claim 45.

Please amend claims 22, 25, 28, 30, 31, 40, 41, 42, and 44 as set forth below.

A complete listing of all claims in this application is set forth below.

Claims 1-20 (canceled).

Claim 21 (canceled)

22. (currently amended) The latch assembly of claim ~~24~~ 25, wherein said cam follower is mechanically interposed between said cam and said plurality of switches.

Claims 23-24 (canceled).

25. (currently amended) ~~A~~ ~~The latch assembly of claim 21, wherein said~~
~~cam follower includes for a self-cleaning oven, comprising:~~

a support;

a motor supported by said support;

a cam rotatably driven by said motor;

a latch mechanism driven by said motor;

a plurality of switches supported by said support; and

a cam follower having an opening defined therein, said cam being
received within said opening, said cam follower also including a cam plate
having a plurality of tracks, and

a plurality of switch actuators respectively disposed within said
plurality of tracks,

wherein rotational movement of said cam causes a reciprocating
linear translation of said cam follower, and

wherein said reciprocating linear translation of said cam follower
causes actuation of at least one of said plurality of switches.

Claim 26 (canceled).

27. (previously presented) The latch assembly of claim 25, wherein said
plurality of switch actuators are respectively movably settable along said
plurality of tracks.

28. (currently amended) ~~The A latch assembly of claim 21, wherein for a~~
self-cleaning oven, comprising:

a support;

a motor supported by said support;

a cam rotatably driven by said motor;

a latch mechanism driven by said motor;

a plurality of switches supported by said support, said plurality of
switches includes an upper set of switch arms and a lower set of switch arms,
and

a cam follower having an opening defined therein, said cam being
received within said opening,

wherein rotational movement of said cam causes a reciprocating
linear translation of said cam follower ~~causes~~ causing at least one upper
arm of said upper set of switch arms and a respective of at least one lower
arm of said lower set of switch arms to contact each other.

29. (previously presented) The latch assembly of claim 28, wherein:

said upper set of switch arms includes a plurality of upper terminals
aligned in a first row,

said lower set of switch arms includes a plurality of lower terminals
aligned in a second row, and

said second row is positioned below said first row.

30. (currently amended) The latch assembly of claim ~~24~~ 28, wherein:
said support includes a housing having an opening defined therein,
said latch mechanism is positioned in said housing, and
said latch mechanism includes a latch arm that extends through said
opening defined in said housing.

31. (currently amended) A latch assembly for a self-cleaning oven,
comprising:

a latch housing;

a motor supported by said latch housing;

a cam rotatably driven by said motor;

a cam follower having an opening defined therein, wherein (i) said
cam is received within said opening, and (ii) rotational movement of said
cam causes a reciprocating linear translation of said cam follower;

a latch mechanism driven by said motor, said latch mechanism
being located within said latch housing; and

a plurality of switches supported by said latch housing, wherein (i)
said plurality of switches includes an upper set of switch arms and a lower
set of switch arms, and (ii) said reciprocating linear translation of said cam
follower causes one of said upper set of switch arms and one of said lower
set of switch arms to contact each other.

32. (previously presented) The latch assembly of claim 31, wherein:
said upper set of switch arms includes a plurality of upper terminals
aligned in a first row,
said lower set of switch arms includes a plurality of lower terminals aligned
in a second row, and
said second row is positioned below said first row.

Claims 33-35 (canceled).

36. (previously presented) The latch assembly of claim 31, wherein said
cam follower includes:
a cam plate having a plurality of tracks, and
a plurality of switch actuators respectively disposed within said plurality of
tracks.

Claim 37 (canceled).

38. (previously presented) The latch assembly of claim 36, wherein said
plurality of switch actuators are respectively movably settable along said
plurality of tracks.

Claim 39 (canceled)

40. (currently amended) ~~The A self-cleaning oven of claim 39, wherein,~~
comprising:

an oven frame;

a latch housing secured to said oven frame;

a motor supported by said latch housing;

a cam rotatably driven by said motor;

a cam follower having an opening defined therein, wherein (i) said
cam is received within said opening, and (ii) rotational movement of said
cam causes a reciprocating linear translation of said cam follower;

a latch mechanism driven by said motor, said latch mechanism
being located within said latch housing; and

a plurality of switches supported by said latch housing, said plurality of
switches includes an upper set of switch arms and a lower set of switch
arms, and

said reciprocating linear translation of said cam follower causes at least
one upper arm of said upper set of switch arms and a respective at least
one lower arm of said lower set of switch arms to contact each other.

41. (currently amended) ~~The A self-cleaning oven of claim 39, wherein,~~
comprising:

an oven frame;

a latch housing secured to said oven frame;

a motor supported by said latch housing;

a cam rotatably driven by said motor;

a said cam follower includes (i) a cam plate having a plurality of tracks, and (ii) a plurality of switch actuators respectively disposed within said plurality of tracks, said cam follower having an opening defined therein, wherein (i) said cam is received within said opening, and (ii) rotational movement of said cam causes a reciprocating linear translation of said cam follower;

a latch mechanism driven by said motor, said latch mechanism being located within said latch housing; and

a plurality of switches supported by said latch housing, wherein said reciprocating linear translation of said cam follower causes actuation of at least one of said plurality of switches.

42. (currently amended) The latch assembly of claim ~~24~~ 25, wherein:
said cam follower includes a rim that defines said opening therein, and
said cam contacts said rim during rotational movement of said cam so as
to urge said cam follower in a reciprocating path of movement.

43. (previously presented) The latch assembly of claim 31, wherein:
said cam follower includes a rim that defines said opening therein, and
said cam contacts said rim during rotational movement of said cam so as
to urge said cam follower in a reciprocating path of movement.

44. (currently amended) The self-cleaning oven of claim ~~39~~ 40, wherein:
said cam follower includes a rim that defines said opening therein, and
said cam contacts said rim during rotational movement of said cam so as
to urge said cam follower in a reciprocating path of movement.

45. (new) The self-cleaning oven of claim 41, wherein:
said cam follower includes a rim that defines said opening therein, and
said cam contacts said rim during rotational movement of said cam so as
to urge said cam follower in a reciprocating path of movement.